TARIFF F.C.C. NO. 2 10th Revised Page 10.1 Cancels 9th Revised Page 10.1

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(TR1122)

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- 8. Specialized Network Services (cont'd)
 - 8.5 Ameritech Frame Relay
 - 8.5.1 General Description

Ameritech Frame Relay is a low to medium speed, statistically multiplexed packet data service. It is a connection-oriented data service that relays variable length frames (packets) across Permanent Virtual Connections (PVCs).

С

Ameritech Frame Relay is available to customers through the following:

User-to-Network Interface (UNI) Connection Network-to-Network Interface (NNI) Connection Hubbed User-to-Network Interface (H UNI) Connection Hubbed Network-to-Network Interface (H NNI) Connection Permanent Virtual Connections (PVC)

С

Technical references for Ameritech Frame Relay are found in AM TR-NIS-000091.

(TR1202)

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8. Specialized Network Services (Cont'd)
8.5 Ameritech Frame Relay (Cont'd)
8.5.2 Frame Relay Access Arrangements

The service is comprised of two public interfaces; a User-to-Network Interface (UNI) and a Network-to-Network Interface (NNI).

- (A) The UNI is a public interface which provides connectivity between customer premises equipment, excluding frame relay switches, and a frame relay switch.
- (B) The NNI is a public interface which provides connectivity between frame relay switches.
- C) PVC's are the end-to-end, bi-directional, logical channels that connect one frame relay switch port to another frame relay switch port as requested by the customer.

Ameritech Frame Relay UNI Connections and NNI Connections are available to customers from designated Frame Relay Service Points (FRSPs) at locations specified in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

Hubbed UNI Connections are available to customers from designated Frame Relay Service Access Points (FRSAPs) at locations specified in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

Hubbed NNI Connections are available to customers from designated Frame Relay Service Access Points (FRSAPs) at locations specified in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

The dedicated channel which connects a customer's premises to an FRSP will be rated as a Local Distribution Channel (LDC). When the customer's serving wire center is not a designated FRSP location, Channel Mileage Termination (CMT) and Channel Mileage (CM) will apply from the customer's serving wire center to the closest FRSP. Optional Features and Functions as described in 7.2.9 (B) (4) preceding are also available with their channels and transport facilities.

When the customer requests either a Hubbed UNI Connection or a Hubbed NNI Connection, the customer must obtain the appropriate dedicated channel between their premises and the closest FRSAP. The customer must provide the Connecting Facility Assignment (CFA) to the Telephone Company at either a DS0 level or at the appropriate interface level in the case of higher speed multiplexing. Either a Hubbed UNI Connection Cross-connect or a Hubbed NNI Connection Cross-connect will apply to each dedicated channel connected at the FRSAP.

When utilizing Ameritech DS1 Service as a component in Ameritech Frame Relay, it must be ordered with the "Clear Channel Capability" option as described in 7.2.9 (B) (4) (c) preceding.

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ACCESS SERVICE

8.5 Ameritech Frame Relay (cont'd)

8.5.3 Service Elements

(A) Committed Information Rate (CIR)

CIR represents the base-level bandwidth on a specific PVC by which the data is sent through the network. This bit rate is lower than or equal to the bit rate of the associated UNI or NNI connection and allows customers to reserve bandwidth on a per PVC basis in order to prioritize critical data.

(B) Permanent Virtual Connections (PVCs)

PVCs are the end-to-end, bi-directional logical channels that connect UNIs or NNIs within the Ameritech Frame Relay network as requested by the customer. PVCs are made up of Logical Circuit Identifiers (where a Logical Circuit Identifier is defined as the virtual circuit number which corresponds to a particular destination on the logical path) and correctly route customer's data between end locations. Multiple PVCs can be established over a single physical access circuit, providing a single access line the capability to transmit data to multiple destinations. PVCs are defined in software tables and do not tie-up capacity when not in use.

(C) Oversubscription

Oversubscription allows the cumulative total Committed Information Rate of the PVCs associated with single UNIs or NNIs to exceed the bit rate of that UNI or NNI. When this occurs, there is no guarantee that the bandwidth defined for any PVC will be available at any given time.

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8. Specialized Network Services (cont'd)

8.5 Ameritech Frame Relay (cont'd)

8.5.3 Service Elements (cont'd)

(D) UNI Connection

С

UNI Connection provides a frame relay UNI from a designated Frame Relay Service Point (FRSP). The customer must obtain the appropriate dedicated channel between their premises and the closest FRSP per 8.5.7 following.

	UNI Speed	Available CIR	T
	56 Kbps 64 Kbps 128 Kbps * 256 Kbps * 384 Kbps *	0, 8, 9.6, 16, 19.2, 28, 32, 64, 128, 192 and 256 Kbps 0, 8, 9.6, 16, 19.2, 28, 32, 64, 128, 192, 256, 320 and 384	;
	1.544 Mbps	Kbps 0, 8, 9.6, 16, 19.2, 28, 32, 64, 128, 192, 256, 320, 384, 448, 512, 576, 640, 704, 768, 832, 896 and 960 Kbps	
		1.024, 1088, 1.152, 1.216, 1.280, 1.344, 1.408, 1.472, 1.536 and 1.544 Mbps	
	44.736 Mbps	0, 8, 9.6, 16, 19.2, 28, 32, 64, 128, 192, 256, 320, 384, 448, 512, 576, 640, 704, 765, 832, 896 and 960 Kbps	
		1.024, 1.088, 1.152, 1.216, 1.280, 1.344, 1.408, 1.472, 1.536, 1.544, 3.088, 4.632, 6.176, 7.720, 9.264, 10.808, 12.350, 13.896, 15.440, 16.984, 18.528 and 20.072 Mbps	
	* These UNIs are permit.	available on a limited basis where facilities and conditions	С
(E)	NNI Connection		С

NNI Connection provides a frame relay NNI from a designated Frame Relay Service Point (FRSP). NNI Connections are available at 56 Kbps, 64 Kbps, 1.544 and 44.736 Mbps. The customer must obtain the appropriate dedicated channel between their premises and the closest FRSP per 8.5.7 following.

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ACCESS SERVICE

- 8. Specialized Network Services (cont'd)
 - 8.5 Ameritech Frame Relay (cont'd)
 - 8.5.3 Service Elements (cont'd)
 - (F) Hubbed UNI Connection

С

Hubbed UNI Connection allows a customer to cross-connect a frame relay UNI to a higher speed service at a designated Frame Relay Service Access Point (FRSAP) location. Hubbed UNI Connections are available at 56 Kbps, 64 Kbps, 1.544 Mbps and 44.736 Mbps and require the Cross-Connect Function per 8.5.7 following.

(G) Hubbed NNI Connection

С

Hubbed NNI Connection allows a customer to cross-connect a frame relay NNI to a higher speed service at a designated Frame Relay Service Access Point (FRSAP) location. Hubbed NNI Connections are available at 56 Kbps, 64 Kbps, 1.544 and 44.736 Mbps, and require the Cross-Connect Function per 8.5.7 following.

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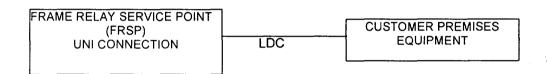
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ACCESS SERVICE

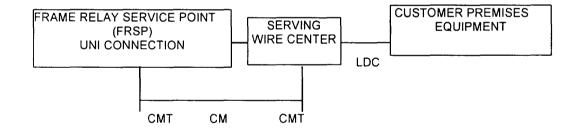
- 8. Specialized Network Services (Cont'd)
 - 8.5 Ameritech Frame Relay (Cont'd)
 - 8.5.3 Service Elements (Cont'd)

UNI CONNECTION

Customer Premises Served by FRSP



Customer Premises Not Served by FRSP



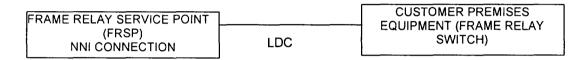
(TR969)

Issued: May 6, 1996

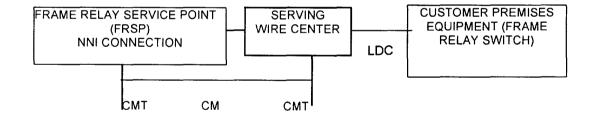
- 8. Specialized Network Services (Cont'd)
 - 8.5 Ameritech Frame Relay (Cont'd)
 - 8.5.3 Service Elements (Cont'd)

NNI CONNECTION

Customer Premises Served by FRSP



Customer Premises Not Served by FRSP



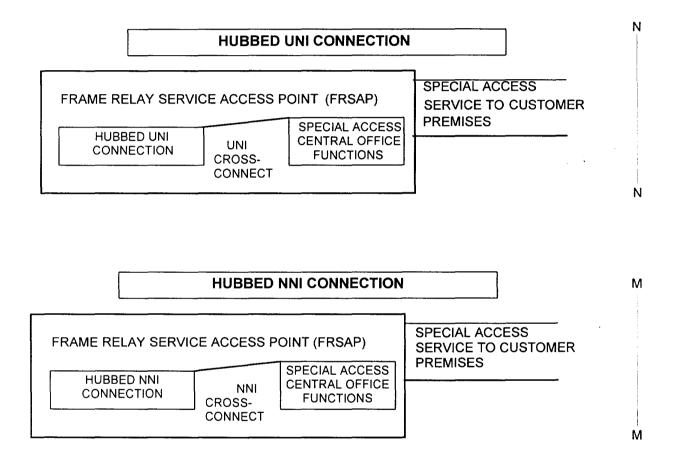
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- 8. Specialized Network Services (Cont'd)
 - 8.5 Ameritech Frame Relay (Cont'd
 - 8.5.3 Service Elements (Cont'd)



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(TR1065)

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8. Specialized Network Services (Cont'd)

8.5 Ameritech Frame Relay (Cont'd)

8.5.4 Rate Regulations

Ameritech Frame Relay is available at the option of the Company where facilities permit. If appropriate facilities are not available, Special Construction charges may apply.

The customer must specify the Committed Information Rate (CIR) and the Permanent Virtual Connection (PVC) mapping at the time the service is ordered.

The customer shall provide compatible equipment (Router, Data Service Units (DSUs)/Channel Service Units (CSUs), etc.), in accordance with interface specifications necessary to connect to the frame relay equipment as developed by the Frame Relay Forum, ANSI and ITU-T committees. This equipment is responsible for all error correction that may be required when the frame relay network discards frames.

Ameritech Frame Relay is available only from wire centers designated as either FRSPs or FRSAPs. If a customer's serving wire center is not a designated FRSP or FRSAP, Channel Mileage (CM) from the customer's serving wire center to the nearest FRSP or FRSAP will be required.

The customer shall designate both ends of the PVC's which need to communicate with one another, and these PVC's are then provisioned through the network.

Ameritech Frame Relay allows oversubscription of Committed Information Rate as follows:

- (A) Oversubscription of up to 200% is allowed on the UNI.
- (B) Oversubscription of up to 200% is allowed on the NNI.

The minimum service period for Ameritech Frame Relay is 12 months.

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ACCESS SERVICE

8. Specialized Network Services (Cont'd)

8.5 Ameritech Frame Relay (Cont'd)

8.5.4 Rate Regulations (Cont'd)

A Change Charge will be applied whenever a change is made to the customer's network map, including changes to CIR or remapping PVC's. Only one Change Charge will apply for multiple changes made at the same time to the same UNI or NNI. Each order can be for a maximum of 20 changes.

Due dates for service installation or changes will be assigned as specified in Ameritech Interval Guide AM TR-MK- 000066.

Cancellation of an application for Ameritech Frame Relay may result in charges to the customer as shown in 8.5.7 following. Cancellation of dedicated services associated with Ameritech Frame Relay may result in charges as described in Section 5.2.3 preceeding.

A customer may delay an order at any time prior to the three calendar days immediately prior to the due date without penalty. If the delay is within three calendar days, a Customer Requested Order Delay Charge will apply.

If a customer is not ready on the due date and has not requested a delay prior to the due date, the service will commence on the due date originally established.

A customer may change CIR or PVC speed at any time prior to the three calendar days immediately prior to the due date without penalty. If the change is within three days, a Change Charge and an Administrative Charge will apply.

The customer can upgrade or downgrade CIR speed at any time without termination liability. A Change Charge and Administrative Charge will apply.

Ameritech will perform routine maintenance as required to reasonably maintain service performance. Outages shall also be required to provide hardware, software and facility upgrades. Such upgrades shall occur between 2 am and 6 am on Sundays (Central Standard Time [CST]). Additional maintenance may be necessary and will be scheduled at mutually agreeable times.

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(TR969)

8. Specialized Network Services (Cont'd)

8.5 Ameritech Frame Relay (Cont'd)

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8.5.5 Optional Features

(A) Additional Permanent Virtual Connections

Allow the subscription of additional PVCs to the UNI or NNI connection subject to technical constraints that may be set due to limitations of switching equipment.

(B) Diverse Routing

Special Facility Routing as described in Section 11 following is available for use in establishing diverse access arrangements to alternate FRSP or FRSAP locations.

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ACCESS SERVICE

8. Specialized Network Services (Cont'd)

Issued: May 6, 1996

8.5 Ameritech Frame Relay (Cont'd)

8.5.6 Types of Rates and Charges

8.5.6.1 Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific installed services. The nonrecurring charges that apply for installation of Ameritech Frame Relay are described in (A) through (E) following. Application of nonrecurring charges for service rearrangements vary depending on the service rearrangement and are described in (A) through (F) following.

(A) Administrative Charge

The Administrative Charge applies any time a customer initiates an order for service. This charge applies once per customer order, as described in Section 5.1 preceding. The nonrecurring Administrative Charge for Ameritech Frame Relay is set forth in 8.5.7 following.

(B) Design and Central Office Connection Charge

The Design and Central Office Connection Charge applies to each frame relay service installed, and is charged once per dedicated channel. The nonrecurring Design and Central Office Connection Charge for Ameritech Frame Relay is set forth in 8.5.7 following.

(C) Customer Connection Charge

The Customer Connection Charge applies once per Local Distribution Channel. The nonrecurring Customer Connection Charge for Ameritech Frame Relay is set forth in 8.5.7 following.

(D) Cancellation of Application for Service Charge

The Cancellation of Application for Service Charge applies once for each UNI or NNI connection ordered but not installed. The nonrecurring Cancellation of Application for Service Charge for Ameritech Frame Relay is set forth in 8.5.7 following.

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- 8. Specialized Network Services (Cont'd)
 - 8.5 Ameritech Frame Relay (Cont'd)
 - 8.5.6 Types of Rates and Charges
 - 8.5.6.1 Nonrecurring Charges (cont'd)
 - (E) Customer Requested Order Delay Charge

The Customer Requested Order Delay Charge applies once per UNI or NNI connection whose Installation is delayed per a customer request. The nonrecurring Customer Requested Order Delay Charge for Ameritech Frame Relay is set forth in 8.5.7 following.

(F) Change Charge

The Change Charge applies whenever a change is made to the customer's network map. Up to 20 changes may be requested per order. The nonrecurring Change Charge for Ameritech Frame Relay is set forth in 8.5.7 following.

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(TR969)

- 8. Specialized Network Services (Cont'd)
 - 8.5 Ameritech Frame Relay (Cont'd)
 - 8.5.6 Types of Rates and Charges (Cont'd)
 - 8.5.6.2 Optional Payment Plan (OPP)

Ameritech Frame Relay is available under an Optional Payment Plan (OPP) whereby customers may elect to pay a fixed rate for a 12, 36 or 60 month period. After the minimum period is satisfied, the 12 month rate will apply unless a new OPP is selected. During the term of the selected OPP, Company initiated rate changes (increases or decreases) will automatically be applied to the monthly payments for the remaining months of the current OPP term. But in no case will any rate change cause the monthly rate during the OPP term to exceed that in effect at the beginning of the customers OPP term. Frame Relay Optional Payment Plan (OPP) vintage rates as described in 8.5.8 following are those rates that apply to existing services provided under an OPP term in the event the Telephone Company initiates a rate increase.

Customers subscribing to the OPP will be subject to nonrecurring charges as specified in 8.5.7 for installation and rearrangements of service covered by the plan. The nonrecurring charges will not be spread over the OPP term. If the customer subscribes to the OPP on an existing service with no other changes, no nonrecurring charges will apply.

When ordering the associated Special Access circuit for a frame relay service, the Optional Payment Plan for the Special Access circuit will be assigned to be coincidental with the frame relay Optional Payment Plan.

At the expiration of the OPP term and if the customer wishes to continue Ameritech Frame Relay, the customer may select a new OPP at the prevailing OPP rate. If the customer does not wish to renew the OPP at the expiration of the term, the customer's service will automatically convert to the 12 month rate.

Prepayment of an OPP

Issued: March 30, 1998

A customer may, at any time during an OPP term, elect to prepay the remaining monthly charges for the rest of the term. The prepayment amount will be adjusted for the time value of money. Recurring charges will cease for the rest of the term and start up again at the end of the OPP if service has not been disconnected. If prepayment has been elected and the service is disconnected prior to the end of the OPP term, a credit for the unused portion of the OPP term, adjusted for the time value of money, will be given to the customer. Termination charges will still be applicable. Once a customer selects the prepayment option, the prepaid amount is not adjusted for Company initiated rate changes that occur during the period for which the customer has prepaid.

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8. Specialized Network Services (Cont'd)

8.5 Ameritech Frame Relay (Cont'd)

8.5.6 Types of Rates and Charges (Cont'd)

8.5.6.4 Additions to Frame Relay Serving Arrangements

A subsequent order to add additional connections to an existing frame relay arrangement must be for a period of 12, 36 or 60 months or for the remainder of the existing Frame Relay OPP provided that the existing OPP has a minimum of 12 months remaining.

8.5.6.5 Termination Liabilities

Customers requesting termination of service prior to the expiration date of the OPP term will be liable for a termination charge. The termination charge will be calculated as follows:

The dollar difference between the current OPP rate for the OPP term that could have been completed during the time the service was actually in service, or the entire 12 month OPP rate for a service in place less than 12 months, and the customers current OPP rate for each month the service was provided.

For example, a customer subscribed to a 60 month OPP term and disconnected service during the 37th month. This customer's termination charge would be:

[36 month OPP Rate - 60 month OPP rate] x 37= Termination Charge.

The 36 month OPP term could have been completed during the months the service was actually in service.

All termination charges will be based on the OPP rates in effect at the time of termination.

8.5.6.6 Credit Allowance

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A Credit Allowance will be given for an interruption to Ameritech Frame Relay according to Section 2.4.4 preceding.

(TR969)

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8. Specialized Network Services (Cont'd)

8.5 Ameritech Frame Relay (Cont'd)

8.5.7 Rates and Charges

0.0.7	natos ana onarç		onrecurring	Monthly Payment Optional Payment Plan			
		USOC	Charge	12 Mo.	36 Mo.	60 Mo.	
UNI Connect	tion						
- Per U	JNI						
56 K	bps UN	9NX \$	250.00	\$ 130.00	\$ 115.00	\$ 95.00	
64 K	bps UN	9QX	250.00	130.00	115.00	95.00	
	•	9BX	350.00	200.00	165.00	145.00	
256 K	lbps UN	9DX	350.00	300.00	250.00	215.00	
384 K	bps UN	9EX	350.00	385.00	315.00	275.00	
1.544 N	1bps UN	9JX	350.00	465.00	375.00	350.00	
44.736 N	1bps UN	93X 3	,000.00	3,700.00	3,550.00	3,250.00	N
- Per LDC							
56 K	ibps T6I	ECS Am	eritech Base Rate S	ervice rates a	s specified in	7.5.9 apply	
64 K	ibps T6I	ECS Am	eritech Base Rate S	ervice rates a	s specified in	7.5.9 apply	
1.544 N	1bps TZ4	4X+ Am	eritech DS1 Service	rates as spe	cified in 7.5.9	apply, or	
	TW	/BZ+ if ut	tilizing "Shared Faci	lity Channel S	ervice" in cor	njunction with	
		Am	eritech DS1 Service).			
44.736 N	1bps PC	G3+ Am	eritech DS3 Service	e rates as spe	cified in 7.5.9	apply	N
DS3 Servi	ce Channel						N
- Per Term	ination HZ	4X+ Am	eritech DS3 Service	rates as spec	ified in 7.5.9	apply	Ν

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8. Specialized Network Services (Cont'd)

8.5 Ameritech Frame Relay (Cont'd)

8.5.7 Rates and Charges

0.0.7 Nates and 0	liarges		R#	onthly Paymer	. +	
		Nonrecurring		ional Payment		
	USOC	Charge	12 M o.	36 Mo.*	60 Mo.*	Т
Channel Mileage Termination - Per Point of	0300	Charge	12 1410.	JU MO.	oo wo.	M
Termination	0140					
56 Kbps 64 Kbps 128, 256, 384 Kbps	CM6 CM6	Ameritech Base Rate S Ameritech Base Rate S				
and 1.544 Mbps	CZ4X+ CZ4Z+	Ameritech DS1 Service if utilizing "Shared Factoriunction with American Conjunction with American Conjunction Conj	ility Channel	Service" in	oply, or	-
44.736 Mbps	CZ4X+	Ameritech DS3 Service			oply.	į
Channel Mileage - Per mile						
56 Kbps	1L5XX	Ameritech Base Rate				
64 Kbps 128, 256, 384 Kbps	1L5XX	Ameritech Base Rate	Service rates	as specified in 7	.5.9 apply	
and 1.544 Mbps	1YZX+ 1YZZ+	Ameritech DS1 Service if utilizing "Shared Fac Ameritech DS1 Service	ility Channel			:
44.736 Mbps	1YZX+	Ameritech DS3 Service	e as specified	in 7.5.9 apply.		M
Hubbed UNI Connection						
- Per Hubbed UNI						
56 Kbps	UNW5X	\$ 250.00	\$ 130.00	\$ 115.00 \$	95.00	
64 Kbps	UNWOX	250.00	130.00	115.00	95.00	
1.544 Mbps	UNW7X	350.00	465.00	375.00	350.00	
44.736 Mbps	X8WNU	3,000.00	3,700.00	3,550.00 l	3,250.00 I	
- Per Hubbed UNI Cross-Connect						
56 Kbps	FCCUY	200.00				
64 Kbps	FCCUY	200.00				
1.544 Mbps	FCCUH	200.00				
44.736 Mbps	FCCUZ	200.00				

Certain material on this page previously appeared on 1st Revised Page 454.49.

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For 36 and 60 month Optional Payment Plans subscribed to prior to April 15, 1998, see Section 8.5.8 following.

8. Specialized Network Services (Cont'd)

8.5 Ameritech Frame Relay (Cont'd)

8.5.7 Rates and Charges (Cont'd)

	•	Nonrecurring	Monthly Payment ecurring Optional Payment Plan			
	USOC	Charge	12 Mo.	36 Mo.	60 Mo.	
NNI Connection						
- Per NNI						
56 Kbps	NN9NX		\$ 130.00	\$ 115.00	\$ 95.00	
64 Kbps	NN9QX	250.00	130.00	115.00	95.00	
1.544 Mbps	NN9JX	350.00	465.00	375.00	350.00	
44.736 Mbps	NN93X	3,000.00	3,700.00	3,550.00	3,250.00	N
- Per LDC						
56 Kbps	T6ECS	Ameritech Base Ra				;
64 Kbps	T6ECS	Ameritech Base Ra				
1.544 Mbps	TZ4X+	Ameritech DS1 Sei				
	TWBZ+	if utilizing "Shared F with Ameritech DS"		Service" in c	onjunction	
44.736 Mbps	PCG3+	Ameritech DS3 Ser		ecified in 7.5.	9 apply.	Ν
DS3 Service Channel						
- Per Termination	HZ4X+	Ameritech DS3 Ser	vice rates as sp	ecified in 7.5.	9 apply	
Channel Mileage Termination -Per Point of Termination						
56 Kbps	CM6	Ameritech Base Ra				
64 Kbps	CM6	Ameritech Base Ra				
1.544 Mbps	CZ4X+ CZ4Z+	Ameritech DS1 Ser if utilizing "Shared I with Ameritech DS1	Facility Channe			N
44.736 Mbps	CZ4X+	Ameritech DS3 Ser		ecified in 7.5.	9 apply.	
Channel Mileage - Per mile						
56 Kbps	1L5XX	Ameritech Base Ra	ite Service rates	as specified	in 7.5.9 apply	
64 Kbps	1L5XX	Ameritech Base Ra				
1.544 Mbps	1YZX+	Ameritech DS1 Se				Ν
	1YZZ+	if utilizing "Shared with Ameritech DS		el Service" in o	conjunction	
44.736 Mbps	1YZX+	Ameritech DS3 Se		pecified in 7.5	5.9 apply.	

(TR1147)

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ACCESS SERVICE

- 8. Specialized Network Services (Cont'd)
 - 8.5 Ameritech Frame Relay (Cont'd)
 - 8.5.7 Rates and Charges (Cont'd)

		Nonrecurring		ent it Plan		
	USOC	Charge	12 Mo.	36 M o.	60 Mo.	
Hubbed NNI Connection						
- Per Hubbed NNI						
56 Kbps	NNH5X	\$ 250.00	\$ 125.00	\$ 100.00	\$ 85.00	
64 Kbps	NNHOX	250.00	125.00	100.00	85.00	
1.544 Mbps	NNH7X	350.00	350.00	300.00	275.00	
44.736 Mbps	X8HNN	3,000.00	3,700.00	3,550.00	3,250.00	Ν
- Per Hubbed NNI						
Cross-Connect						
56 Kbps	FCCNY	200.00				
64 Kbps	FCCNY	200.00				
1.544 Mbps	FCCNH	200.00				
44.736 Mbps	FCCNZ	200.00				N

(TR1147)

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- 8. Specialized Network Services (cont'd)
 - 8.5 Ameritech Frame Relay (cont'd)
 - 8.5.7 Rates and Charges (cont'd)

Issued: May 5, 1999

			Non-	Monthly Payment Optional Payment Plan]
Per PVC	at CIR	USOC	recurring Charge	12 Month	36 Month	60 Month	CT
0	Kbps	LXKXX C	\$12.00	\$ 7.00 I	\$ 7.00 	\$ 7.00 I	
8	Kbps	LXQKX	12.00	10.00	10.00	10.00	
9.6	Kbps	LXKKX	12.00	11.00	11.00	11.00	
16	Kbps .	LXKOX	12.00	12.00	12.00	12.00	
19.2	Kbps	LXKSX	12.00	14.00	14.00	14.00	
28	Kbps .	LXQLX	12.00	16.00	16.00	16.00	
32	Kbps	LXKTX	12.00	18.00	18.00	18.00	•
56	Kbps	LXKNX	12.00	30.00	30.00	30.00	
64	Kbps	LXKQX	12.00	30.00	30.00	30.00	
128	Kbps	LXKBX	12.00	50.00	50.00	50.00	
192	Kbps	LXQMX	12.00	70.00	70.00	70.00	
256	Kbps	LXKDX	12.00	90.00	90.00	90.00	
320	Kbps	LXQNX	12.00	110.00	110.00	110.00	
384	Kbps	LXKEX	12.00	130.00	130.00	130.00	
448	Kbps	LXKAX	12.00	150.00	150.00	150.00	
512	Kbps	LXKCX	12.00	170.00	170.00	170.00	
576	Kbps	LXKGX	12.00	200.00	200.00	200.00	
640	Kbps	LXKLX	12.00	210.00	210.00	210.00	
704	Kbps	LXKMX	12.00	230.00	230.00	230.00	
768	Kbps	LXKHX	12.00	250.00	250.00	250.00	
832	Kbps	LXKPX	12.00	256.00	256.00	256.00	
896	Kbps	LXKRX	12.00	262.00	262.00	262.00	
960	Kbps	LXK9X	12.00	268.00	268.00	268.00	
1.024	Mbps	LXQAX	12.00	274.00	274.00	274.00	
1.088	Mbps	LXQBX	12.00	280.00	280.00	280.00	
1.152	Mbps	LXQCX	12.00	286.00	286.00	286.00	
1.216	Mbps	LXQDX	12.00	294.00	294.00	294.00	
1.280	Mbps	LXQEX	12.00	300.00	300.00	300.00	
1.344	Mbps	LXQFX	12.00	306.00	306.00	306.00	
1.408	Mbps	LXQGX	12.00	312.00	312.00	312.00	
1.472	Mbps	LXQHX	12.00	318.00	318.00	318.00	
1.536	Mbps	LXQJX C	12.00	324.00 I	324.00 I	324.00 I	

(TR1202)

Effective: May 20, 1999

- 8. Specialized Network Services (cont'd)
 - 8.5 Ameritech Frame Relay (cont'd)
 - 8.5.7 Rates and Charges (cont'd)

				Non-	Monthly Payment Optional Payment Plan			T
Per PVC	at CIR	USOC	;	recurring Charge	12 Month	36 Month	60 Month	CT
1.544	Mbps	LXKJX	Ç	\$12.00	\$ 330.00 I	\$ 330.00 I	\$ 330.00 I	
3.088	Mbps	LXKUX		12.00	490.00	490.00	490.00	
4.632	Mbps	LXKVX	İ	12.00	600.00	600.00	600.00	
6.176	Mbps	LXKWX		12.00	760.00	760.00	760.00	
7.720	Mbps	LXKYX		12.00	950.00	950.00	950.00	
9.264	Mbps	LXKZX		12.00	1,050.00	1,050.00	1,050.00	
10.808	Mbps	LXK1X		12.00	1,150.00	1,150.00	1,150.00	
12.350	Mbps	LXK2X		12.00	1,270.00	1,270.00	1,270.00	
13.896	Mbps	LXK3X		12.00	1,330.00	1,330.00	1,330.00	
15.440	Mbps	LXK4X		12.00	1,400.00	1,400.00	1,400.00	
	Mbps	LXK5X		12.00	1,430.00	1,430.00	1,430.00	
	Mbps	LXK6X		12.00	1,470.00	1,470.00	1,470.00	
	Mbps	LXK7X	C	12.00	1,540.00 I	1,540.00	1,540.00	

(TR1202)

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8. Specialized Network Services (Cont'd)

8.5 Ameritech Frame Relay (Cont'd)

8.5.7 Rates and Charges (Cont'd)

0.5.7 Nates and	Charges (Cont d)	Nonrecurring				
		usoc	Charge			
	Administrative Charge Per service order		\$ 50.00			
Connection						
 Per circu 						
An	neritech Base Rate Service	7.5.15 apply	Rate Service as specified in			
An	neritech DS1 Service	Ameritech DS1 s	Service as specified in 7.5.15			
An	neritech DS3 Service	Ameritech DS3 Sapply	Service as specified in 7.5.15	N N		
	Connection Charge					
- Per term An	nation heritech Base Rate Service	Ameritech Base 7.5.15 apply	Rate Service as specified in			
An	neritech DS1 Service	Ameritech DS1	Service as specified in 7.5.15			
An	neritech DS3 Service	apply Ameritech DS3 \$ apply	Service as specified in 7.5.15	N N		
Cancellation	of Application for					
Service Char	ges					
- Per 5	6 Kbps connection	CCA	50.00			
	4 Kbps connection	CCA	50.00			
	8 Kbps connection	CCA	50.00			
	6 Kbps connection	CCA	50.00			
	4 Kbps connection	CCA	50.00			
	4 Mbps connection	CCA	50.00	Ν		
- Per 44.73	6 Mbps connection	CCA	50.00			
	quested Order					
Delay Charge	•	0110	50.00			
- Per UNI		OMC	50.00			
- Per NNI	1.1511	OMC	50.00			
- Per Hubbed		OMC 50.00				
- Per Hubbed	NNI	OMC	50.00			
Change Ch	a rge maximum of 20					
changes pe		NRBF3	50.00			
			(TP1088)			

(TR1088)
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- 8. Specialized Network Services (Cont'd)
 - 8.5 Ameritech Frame Relay (Cont'd)

8.5.8 Optional Payment Plan Vintage Rates

A. General Regulations

Optional Payment Plan (OPP) vintage rates are those rates that apply to existing services provided under an OPP term in the event the Telephone Company initiates a rate increase. Vintage rates as set forth following are classified as vintage because the Telephone Company ensures that rates provided under an OPP term will not be increased by the Telephone Company above the OPP rate in effect at the beginning of the customer's OPP term.

OPP vintage rates will apply until the customer's existing OPP term expires, the service is terminated by the customer or the currently effective OPP rates are reduced to a level below the vintage rates. Other customer modifications, other than termination that cause a new rate or OPP term to be established will result in the service becoming non-vintage and the rates as specified in Section 8.5.7 will apply.

B. Vintage Rates

1. The following rates apply to Ameritech Frame Relay service installed prior to April 15, 1998.

Monthly Payment Optional Payment Plan 36 Mo. 60 Mo.

Hubbed UNI Connection - Per Hubbed UNI 44.736 Mbps

\$3,000.00 \$2,450.00

(TR1147)

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ACCESS SERVICE

8. Specialized Network Services (Cont'd)

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ACCESS SERVICE

8. Specialized Network Services (Cont'd)

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x Issued under authority of Special Permission No. 97-279.

(TR1122)

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ACCESS SERVICE

8. Specialized Network Services (Cont'd)

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ACCESS SERVICE

8. Specialized Network Services (Cont'd)

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x Issued under authority of Special Permission No. 97-279.

(TR1122)

Issued: September 11, 1997

DESCRIPTION AND JUSTIFICATION

Introduction

With this filing Ameritech proposes to make several language changes to the existing frame relay tariff. One is to change a name in the General Description section to match the body of the tariff. The other is to change the bit rate description of the Committed Information Rate to say less than or equal to the associated UNI or NNI.

Additionally, this filing proposes to restructure the tariff, eliminating the Data Link Connection Identifier (DLCI) component and replacing it with a Permanent Virtual Connection (PVC). Currently, the tariff states that a PVC consists of two DLCIs. This restructure is designed to remove the intermediate DLCI step from the ordering process. There is no rate impact on the customers for frame relay as a result of this restructure. All existing customers of Ameritech Frame Relay will be notified by letter of this structural change.

Description

Ameritech proposes to make several language changes to the existing frame relay tariff with this filing. One is to change a name in the General Description section to match the body of the tariff. Currently, the General Description states that Ameritech Frame Relay is available to customers through a "Network User-to-Network Interface (H UNI) Connection. The body of the tariff refers to this as a Hubbed User-to-Network Interface. A language change is being made for consistency. The other language change is being made to more accurately describe the Committed Information Rate definition to say less than or equal to the associated UNI or NNI. Currently, tariff language only states less than.

Additionally, this filing proposes to restructure the tariff, eliminating the Data Link Connection Identifier (DLCI) component and replacing it with a permanent Virtual Connection (PVC). Currently, the tariff states that a PVC consists of two DLCIs. This restructure is designed to remove the intermediate DLCI step from the ordering process. There is no rate impact on frame relay customers as a result of this restructure since a PVC is currently defined as consisting of

two DLCIs and the price of the proposed PVC structure is exactly twice that of the existing DLCI. A notification letter is being sent to all existing customers of Ameritech Frame Relay explaining the structural change and clearly stating that there will be no billing impact.

Cost Development

Since a PVC is currently defined as consisting of two DLCIs and the price for the proposed PVC structure is exactly twice that of the existing DLCI for the same speed, no cost work is required.

Basis of Ratemaking

Overall rates for Ameritech Frame Relay are not affected as a result of this restructure. A customer currently paying for two DLCIs will now pay the same rate for a single PVC.

Price Caps

In accordance with the Commission's Order in CC Docket No. 87-313 (Price Cap Order (See Para. 195)) released October 4, 1990, Frame Relay Service (Packet Switching) is excluded from price cap regulation. As stated previously, this restructure has no impact on revenues for Ameritech Frame Relay.

16. Packet Data Services (Cont'd)

16.3 Exchange Access Frame Relay Service (Cont'd)

16.3.3 Rates and Charges (Cont'd)

(F)	UNI A	Access	Со	nnect	cion
	Term	Pricin	ıg	Plans	3

(1) 3-year TPP 56 kbps 64 kbps 1.536 Mbps 4 Mbps 6 Mbps 22 Mbps 45 Mbps	NLZ53 NLZY3 NLZ83 NLXQ3 NLXR3 NLXR3 NLXS3	\$ 160.00 160.00 400.00 2,300.00 2,600.00 3,000.00 3,800.00	\$ 875.00 875.00 1,000.00 1,500.00 1,500.00 1,500.00
(2) 5-Year TPP 56 kbps 64 kbps 1.536 Mbps 4 Mbps 6 Mbps 22 Mbps 45 Mbps	NLZ55 NLZY5 NLZ85 NLXQ5 NLXR5 NLXS5 NLXT5	150.00 150.00 380.00 2,100.00 2,400.00 2,800.00 3,600.00	1.00 1.00 1.00 1,500.00 1,500.00 1,500.00

3-Year RSP	NLZ5T	131.40(I)	2.00
5-Year RSP	NLZ5R	116.80(R)	2.00

(This page filed under Transmittal No. 1096)

Issued: December 17, 1998

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ACCESS SERVICE

16. Packet Data Services (Cont'd)

16.3 Exchange Access Frame Relay Service

16.3.1 General

Exchange Access Frame Relay Service (XA-FRS) is a medium to high speed connection-oriented packet-switched data service that allows for the interconnection of Local Area Networks (LANs) or other compatible customer equipment across a wide area for the purpose of interstate access. XA-FRS allows for the transfer of variable length frames (packets). Frames are relayed by virtual connections, i.e., frames travel a fixed path through the network although bandwidth is not dedicated to each virtual connection.

This service uses Permanent Virtual Connections (PVCs). A PVC is a logical channel from one Frame Relay port to another Frame Relay port. PVCs are end-to-end, bi-directional channels that are established and dis-established via the service order process.

The Frame Relay standard specifies an address field called the Data Link Connection Identifier (DLCI). The DLCI specifies a connection (e.g., customer premises to LEC switch or LEC switch to interexchange carrier network). A PVC is comprised of two or more DLCIs.

This service, comprised of two Interfaces, a User Network Interface (UNI) and a Network-to-Network Interface (NNI), allows XA-FRS compatible customer premises equipment (CPE) to originate or terminate interexchange services. All UNI access facilities must be in conformance with American National Standards Institute (ANSI) standards T1.606-1990, T1.606 Addendum 1-1991, T1.606a-1992, T1.617, Annex D-1992. All NNI access facilities must be in conformance with ANSI standards T1.606b-1993 and Bellcore Technical Reference TR-TSV061370, Issued: May 1993.

XA-FRS provides high speed throughput over digital facilities at speeds of 56 kbps, 64 kbps, 1.536 or 45 Mbps. Physical access to the Bell Atlantic Frame Relay network is provided via a UNI Access Connection; or a Collocated Interconnection Service-UNI Port Connection or a NNI Port Connection with a digital transmission facility. A 56 kbps DDS, 64 kbps DDS, DS1 or a DS3 rated channel termination from Section 7, Special Access, may be used as the NNI transport link. Collocated Interconnection Services (CISs) as described in Section 19 provide interoffice transport for both NNI and UNI Port Connections. When available, DS1 transport must be equipped with both, B8ZS capability and Extended Super Frame (ESF), and DS3 transport must be equipped with B3ZS.

XA-FRS is generally available and is ordered through the access service order process. The Access Order Service Date Interval for XA-FRS is negotiated. See Section 5.

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16. Packet Data Services (Cont'd)

16.3 Exchange Access Frame Relay Service (Cont'd)

16.3.1 General (Cont'd)

The following diagram depicts a generic view of the components of XA-FRS Service and the manner in which the components are combined to provide a complete XA-FRS connection.

FRAME RELAY SERVICE

64kbps UNI NN CPE Interexchange BeliAtlantic Mbos NNI UNI CPE Carrier FrameRelay Port Usage POP Switch 4.6.22 Link Mbos Mbos NNI CPE UNI Port

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ACCESS SERVICE

16. Packet Data Services (Cont'd)

16.3 Exchange Access Frame Relay Service (Cont'd)

16.3.1 General (Cont'd)

(A) User Network Interface (UNI) Connections

The User Network Interface (UNI), is a standard interface used to connect the end user to the Bell Atlantic XA-FRS Network. It receives the data frame from the customer's Local Area Network or other CPE devices and verifies that the DLCI is valid before relaying the frame to the destination end point.

- (1) The UNI Access Connection consists of a 56 kbps, 64 kbps, 1.536 Mbps or a 45 Mbps digital facility from the customer premises to the XA-FRS network and the appropriate port interface connection. Additional UNI Access Connections may be ordered for disaster recovery of one or multiple UNI Access Connections and are referred to as Back-up UNIs.
- 2) The CIS (Collocated Interconnection Service) UNI Port Connection provides a XA-FRS Network connection for a CIS Cross Connect Service at speeds of 56 or 64 kbps, or 1.536 Mbps.

(B) Network-to-Network Interface (NNI) Port Connection

The Network-to-Network Interface (NNI), specifies how an XA-FRS switch sends and receives data from a Frame Relay interexchange carrier's or other customer's network.

The NNI Port Connection provides connection of a digital transmission facility, including 56 and 64 kbps DDS, 1.536 Mbps/DS1, 45 Mbps/DS3 and CIS Cross Connects, to Bell Atlantic's XA-FRS Network.

56 and 64 kbps NNI Port Connections are available only as dedicated connections to the XA-FRS network; i.e. the NNI Port Connection customer and the customer for the connecting UNI(s) must be one and the same. In addition, the number of PVCs on a single 56 or 64 kbps NNI Port Connection cannot exceed 28/32, and the sum of the individual CIR values cannot exceed 56/64 kbps.

(C) Optional UNI Features

Additional PVCs per UNI

This feature provides the assignment of additional Data Link Connection Identifiers (DLCIs). When any two DLCIs are mapped together, a PVC is created. The customer shall pay for each additional PVC after the initial one.

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Issued: December 17, 1998

16. Packet Data Services (Cont'd)

16.3 Exchange Access Frame Relay Service (Cont'd)

16.3.1 General (Cont'd)

(C) Optional UNI Features (Cont'd)

Group Addressing

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This feature allows a customer to send a single data unit across established PVCs to several intended recipients. The recipients are identified by an assignment of a group address used as the destination for the Frame Relay data unit. The DLCI assigned is now a group address.

(M)

Northern Corridor Option

The Northern Corridor Option provides UNI subscribers (UNI Access Connection and CIS-UNI Port subscribers) in the New Jersey Corridor the ability to connect to locations in New York City. The Option consists of a PVC at a specified CIR from the Newark or Jersey City Wire Centers into New York City.

Committed Information Rate

Committed Information Rate (CIR) is a feature that provides the customer with a mechanism for prioritizing data on a per PVC basis across a given UNI. A committed Information Rate allows a sustained throughput at a chosen rate without having any frames designated "discard eligible" under normal operating conditions. Various CIR rates are available; however, 0 (zero) CIR is only available with 56 and 64 kbps ports.

(C)

Customer Network Management

Customer Network Management (CNM), where available, provides the end-user customer with the ability to pull statistical analysis reports about their respective network as it traverses the telco data network. This capability is provided as a "read only" capability. A customer may not manipulate any network configuration within the telco network. This feature includes the PVC required to manage the network.

(D) Maintenance Window

Network maintenance and network upgrades for XA-FRS are performed during the hours of 11:00 p.m. and 8:00 a.m. At times, during the hours of maintenance activity, it will be necessary to place a customer's service in an inactive (out of service) condition. The amount of time that this scheduled out of service condition will exist is called a "maintenance window". The Company will provide the customer notice prior to the maintenance window. Maintenance window activity could be scheduled for consecutive days.

(C)

Certain material on this page formerly appeared on Page 918.8. (This page filed under Transmittal No. 1007)

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16. Packet Data Services (Cont'd)

16.3 Exchange Access Frame Relay Service (Cont'd)

16.3.2 Rate Regulations

(A) Administrative Charge

An administrative charge will be applied whenever a change is made to a customer's Frame Relay configuration (including changes to existing group addressing), at the customer's request. Such changes are defined as those rearrangements necessary to add, delete, or rearrange the customer's configuration, including changes to a customer's selected carrier. Although multiple changes may be caused by such actions, only one administrative charge will apply.

(B) Term Pricing Plans

The XA-FRS UNI Access Connection is also provided for extended commitment periods in a 3 to 5-year Term Pricing Plan (TPP).

Customers may add UNI Access Connections to an existing TPP within the initial 12 months. Otherwise, additional UNI Access Connections will be in a separate and new term pricing plan.

Upon expiration of a TPP, the prevailing rates will apply.

(C) Termination Charges: Month-to-Month and TPPs

The minimum service period for XA-FRS is one month.

Term Pricing Plans are subject to early termination liability. In the event that service is disconnected in full or in part prior to completion of the term, termination charges will be assessed. The charge(s) will be the lessor of:

(1) an amount equal to the difference between the Month-to-Month monthly rate and the monthly rate for the selected term plan times the number of months or fraction thereof that the service was in effect;

(2) 50% of the monthly rate for the selected TPP times the number of months or fraction thereof remaining in the term.

Material now appearing on this page was formerly shown on Page 918.9.1.

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Vice President 2980 Fairview Park Drive, Falls Church, Virginia 22042

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16. Packet Data Services (Cont'd)

16.3 Exchange Access Frame Relay Service

16.3.2 Rate Regulations (Cont'd)

(C) Termination Charges: Month-to-Month and TPPs (Cont'd)

In addition, a service is disconnected within the first 36 months, the customer is liable for the full installation charge associated with the Month-to-Month Plan.

(N) ; ; (N)

Termination liability does not apply when "portability" requirements are met. Portability is the replacement of a TPP service with another service for the balance of the plan period. Portability requirements are as follows:

- The replacement UNI Access Connection must be of the same type and speed, and must not already be in a XA-FRS TPP.
- The orders to accomplish the replacement are placed with the Telephone Company at the same time with due dates within 90 days of each other, and are related by a Related Purchase Order Number (RPON).
- The quantities associated with the replacement are equal to or greater than the disconnected service(s).

Customers may at any time convert from an existing commitment period to a new term pricing plan of equal or greater length without termination liability.

If rates increase, during the plan period, the customer may discontinue service without termination liability.

(D) Nonrecurring Charges

A nonrecurring charge applies for each installation of certain XA-FRS rate elements. This charge also applies whenever the facility associated with the rate element is moved, changed or rearranged. The charge is not applicable when a customer converts from one term plan to another and there is no physical change in the service facility.

Certain material formerly shown on this page has changed and now appears on Page 918.9.

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16. Packet Data Services (Cont'd)

16.3 Exchange Access Frame Relay Service (Cont'd)

16.3.2 Rate Regulations (Cont'd)

(D) Nonrecurring Charges (Cont'd)

The UNI Access Connection nonrecurring charge for a Month-to-Month service is subject to refund, if the customer converts to a Term Pricing Plan within the first six months of service and a waiver of the nonrecurring installation charge for the Term Pricing Plan was in effect at the time the Month-to-Month service was installed. No credit is given for time-inservice while the customer was on the Month-to-Month plan.

(E) Rate Stability Plans

This Exchange Access Frame Relay Service Rate Stability Plan (XA-FRS RSP) allows customers to stabilize their 56 kbps UNI Access Connection recurring and nonrecurring rates for an extended period of three or five years. Included in the rate of the RSP UNI Access Connection, is the customer option of the Committed Information Rate (CIR) feature at speeds of 0, 8, 16 and /or 28 kbps. A RSP customer is guaranteed not to experience a rate increase during the term of the 3 or 5-year Rate Stability Plan. The XA-FRS RSP is available to any customer who meets the minimum service requirements and agrees to the plan's terms and conditions.

The minimum service requirements are:

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- A commitment of a minimum of 500 56 kbps UNI Access Connections.
- Installation of at least 500 UNI Access Connections within one year of the initial order or contract date.

The terms and conditions are:

- The nonrecurring and recurring rates will remain stable during the plan period.
- New 56 kbps UNI Access Connections may be added to the plan subject to the plan's rate, expiration date, and terms and conditions.
- Optional features of XA-FRS other than 0,8,16, and 28 kbps CIR are not a part of the plan but are available at standard rates.

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Issued: December 17, 1998

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ACCESS SERVICE

16. Packet Data Services (Cont'd)

16.3 Exchange Access Frame Relay Service (Cont'd)

16.3.2 Rate Regulations (Cont'd)

(E) Rate Stability Plans (Cont'd)

- In the first year, customers will be billed for UNI Access Connections as they are installed. After the initial 12 months of the RSP, customers are billed for the minimum commitment level and for each UNI Access Connection that exceeds 500.
- There is no minimum revenue guarantee, or termination liability for any UNI Access Connections in excess of the 500 minimum commitment level. The optional CIR feature is not subject to termination liability.
- After the first year of the plan, customers are eligible for limited portability, i.e., the replacement of an Access Connection in the plan that is being disconnected with another 56 Kbps UNI Access Connection for the balance of the RSP. Portability requirements are:
 - The replacement service can not already be in any Bell Atlantic term plan.
 - The orders to disconnect the existing service and connect the replacement must be received at the same time, with due dates within 90 days of each other, and related by a Related Purchase Order Number (RPON).
 - No more than 30 percent of the plan's access connections in place on the first year's anniversary date and each succeeding anniversary date are eligible for portability over the next 12 months. When more than 30 percent of the access connections in the plan are replaced in the same contract year (from last anniversary date to the next), all access connections in the plan will be billed at the Month-to-Month rate for the remainder of that contract year.
 - The replacement service is subject to any applicable nonrecurring charges.
- Existing 56 kbps UNI Access Connections can be converted to a RSP service without additional charge as long as there is no change in the physical facility.

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16. Packet Data Services (Cont'd)

16.3 Exchange Access Frame Relay Service (Cont'd)

16.3.2 Rate Regulations (Cont'd)

(E) Rate Stability Plans (Cont'd)

(T)

(C)

(C)

- If at any time during the plan period, the customer disconnects all plan services or the plan in its entirety, the customer will be subject to termination liability. Termination liability will be the lesser amount of the two calculations following:
 - The sum of the monthly rates for 500 UNI Access Connections for the remainder of the RSP period.
 - An amount equal to the difference between the monthly rate for basic Month-to-Month service and the selected RSP monthly rate times each UNI Access Connection disconnected times the number of months the plan was in service.

(F) Northern Corridor Option

This option is available in the same commitment periods as the UNI Access Connection: Month-to-Month; 3-year and 5-year Term Pricing Plans; and 3 and 5-year Rate Stability Plans. This rate element is included in the commitment plan of the underlying UNI Access Connection or CIS-Port Connection and is also subject to the same termination liability; see 16.3.2 (C) or (E) of this Section as appropriate.

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16. Packet Data Services (Cont'd)

16.3 Exchange Access Frame Relay Service (Cont'd)

16.3.3 <u>Rat</u>	es an	d Charges		Monthly	Nonrecurring
(A)		Connections onth-to-Month	USOC	Charge	Charge
	(1)	UNI Access Connection 56 kbps 64 kbps 1.536 Mbps	NLZ5X NLZYX NLZYX NLZ8X	\$ 175.00 175.00 435.00	\$ 875.00 875.00 1,000.00
	(2)	CIS-UNI Port Connect 56 kbps 64 kbps 1.536 Mbps	ion P7E5X P7E0X P7E7X	60.00 60.00 220.00	230.00 230.00 275.00
(B)	5 6 1.53	Port Connection 6 Kbps 4 Kbps 6 Mbps 5 Mbps	NNL5X NNLYX NNL8X NNL9X	60.00 60.00 220.00 2,700.00	230.00 230.00 285.00 300.00
(C)	Opti	onal UNI Features			
	(1)	Each Additional PVC	L7NAX		25.00
	(2)	Group Address	G4A		35.00
	(3)	Committed Information Rates 0/8/16/28/32 kbps 56/64 kbps 128 kbps 192 kbps 256 kbps 384 kbps 512 kbps 768 kbps 2 Mbps	R3TG2 R3TA1 R3TB1 R3TC1 R3TC1 R3TC1 R3TF1 R3TF1 R3TH1	5.00 2.00 4.00 7.00 9.00 12.00 25.00 28.00 50.00	12.00(I) 12.00 12.00 12.00 12.00 12.00 12.00 12.00
	(4)	Northern Corridor Option at 16 kbps CIR Mo-to-Mo 3-year 5-year	NLCOM NLCO3 NLCO5	\$ 1.00 1.00 1.00	\$ 1.00 1.00 1.00
		at 28 or 32 kbps CIR Mo-to-Mo 3-year 5-year	NLCPM NLCP3 NLCP5	\$ 1.00 1.00 1.00	\$ 1.00 1.00 1.00

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16. Packet Data Services (Cont'd)

16.3 Exchange Access Frame Relay Service (Cont'd)

16.3.3 Rates and Charges (Cont'd)

- (C) Optional UNI Features Cont'd)
 - (4) Northern Corridor Option (Cont'd)

	option (contra)	USOC	Monthly Charge	Nonrecurring Charge	
	at 56 or 64 kbps CIR Mo-to-Mo 3-year 5-year	NLCAM NLCA3 NLCA5	\$ 1.00(R) 1.00(R) 1.00(R)	\$ 1.00(R) 1.00(R) 1.00(R)	
	at 128 or 192 kbps CI Mo-to-Mo 3-year 5-year	R NLCLM NLCL3 NLCL5	\$ 1.00(R) 1.00(R) 1.00(R)	\$ 1.00(R) 1.00(R) 1.00(R)	
	at 256 or 384 kbps CI Mo-to-Mo 3-year 5-year	R NLCRM NLCR3 NLCR5	\$ 1.00(R) 1.00(R) 1.00(R)	\$ 1.00(R) 1.00(R) 1.00(R)	
	at 512 or 768 kbps CI Mo-to-Mo 3-year 5-year	R NLCMM NLCM3 NLCM5	\$ 1.00(R) 1.00(R) 1.00(R)	\$ 1.00(R) 1.00(R) 1.00(R)	
(D)	Administrative Charge	NRBFR		35.00	
(E)	Customer Network Management	NM6XX	5.00	50.00	

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